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*Kathryn Marley*  
Kathryn Marley

**ATTY DOCKET: FTIS 1001-1**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of Inventor:

**Christophe Pierrat et al.**

Application No.: **10/616,603**

Filed: **10 July 2003**

Title: **Contact or Proximity Printing Using a Magnified Mask Image**

Group Art Unit: **not assigned**

Examiner: **not assigned**

**Customer No. 22470**

Commissioner for Patents  
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Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56**

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

Enclosed with this statement is a Form PTO-SB/08. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98.

This statement should be considered under 37 C.F.R. 1.97(b) because it is being filed within three months of the filing date of an application other than a continued prosecution application under 37 C.F.R. 1.53(d).

**Fee Authorization.** The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (FTIS 1001-1). A duplicate copy of this authorization is enclosed.

Respectfully submitted,

HAYNES BEFFEL & WOLFELD LLP

Date: 12 Aug 2003

By: *Mark A. Haynes*  
Mark A. Haynes, Reg. No. 30,846

HAYNES BEFFEL & WOLFELD LLP  
P.O. Box 366  
Half Moon Bay, CA 94019  
Telephone: (650) 712-0340  
Facsimile: (650) 712-0263

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PTO/SB/08A (08-00)  
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Substitute for form 1449A/PTO				<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/616,603
(use as many sheets as necessary)				<b>Filing Date</b>	10 July 2003
				<b>First Named Inventor</b>	Christophe Pierrat et al.
				<b>Group Art Unit</b>	
				<b>Examiner Name</b>	
<b>Sheet</b>	1	of	2	<b>Attorney Docket Number</b>	FTIS 1001-1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	5,121,256		Corle et al.	06-09-1992	
	A2	5,469,299		Nagano	11-21-1995	
	A3	5,982,558		Further et al.	11-09-1999	
	A4	6,198,576		Matsuyama	03-06-2001	
	A5	6,522,484		Schuster	02-18-2003	
	A6					
	A7					
	A8					
	A9					
	A10					
	A11					
	A12					
	A13					
	A14					
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B1							
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<b>Examiner Signature</b>	<b>Date Considered</b>
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

### Complete if Known

Application Number	10/616,603
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First Named Inventor	Christophe Pierrat et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	FTIS 1001-1

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	FRENCH, ROGER H., et al., "Fluoropolymers for 157nm Lithography: Optical Properties from VUV Absorbance and Ellipsometry Measurements," SPIE Proceedings, Microlithography 2000, 12 pages.	
	C2	FLAGELLO, DONIS G., et al., "High-numerical-aperture effects in photoresist," Applied Optics 36(34) (1 Dec 1997) 8944-8951.	
	C3	FRENCH, ROGER H., et al., "Materials Design and Development of Fluoropolymers for Use as Pellicles in 157nm Photolithography," Optical Microlithography XIV, Proceedings of SPIE vol. 4346 (2001).	
	C4	PIERRAT, CHRISTOPHE, et al., "The MEF Revisited: Low k1 Effects versus Mask Topography Effects," Optical Microlithography XVI, Proceedings of SPIE vol. 5040 (25 Feb 2003).	
	C5	CHIBA, YUJI, et al., "New generation projection optics for ArF lithography," Optical Microlithography XV, Proceedings of SPIE Vol. 4691 (2002), 679-686.	
	C6	BAEK, SO-YEON, et al., "Simulation Study of Process Latitude for Liquid Immersion Lithography," Optical Microlithography XVI, Proceedings of SPIE vol. 5040 (27 Feb 2003), 11 pages.	
	C7	PENDRY, J.B., et al., "Near-field lenses in two dimensions," J. Phys.: Condens. Matter 14 (2002) 8463-8479.	
	C8	OBER, CHRISTOPHER K., "Polymer Surfaces and Surface Analysis," Nanobiotechnology MSE 563/AEP 663 (2000), 43 pages.	
	C9	HAFEMAN, SCOTT, et al., "Simulation of imaging and stray light effects in immersion lithography," Optical Microlithography XVI, Proceedings of SPIE vol. 5040 (27 Feb 2003), 13 pages.	

Examiner  
Signature

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